

STANDING COMMITTEE OF ANALYSTS

METHODS FOR THE EXAMINATION OF WATERS AND ASSOCIATED MATERIALS

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Book Number		ISBN
1.	Emission Spectrophotometric Multielement Methods of Analysis for Waters, Sediments and other materials of interest to the Water Industry 1980	0117500151
2.	Cadmium in potable waters by atomic absorption spectrophotometry 1976	0117511366
3.	Lead in potable waters by atomic absorption spectrophotometry 1976	0117511374
4.	Chemical oxygen demand (dichromate value) of polluted and waste waters 1977 (See bluebooks 97, 215 and 216)	0117512494
5.	Amenability of sewage sludge to anaerobic digestion 1977	0117512508
6.	The sampling and initial preparation of sewage and waterworks' sludge, soils, sediments and plant materials prior to analysis 1977 (Superseded by bluebook 89)	0117512516
7.	Determination of the pH value of sludge, soil, mud and sediment; and lime requirement of soil 1977	0117512524
8.	Magnesium in waters and sewage effluents by atomic absorption spectrophotometry 1977	0117513121
9.	Calcium in waters and sewage effluents by atomic absorption spectrophotometry 1977	011751313X
10.	Mercury in waters, effluents, and sludges by flameless atomic absorption spectrophotometry 1978	0117513261

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| 11. | Iron in raw and potable waters by spectrophotometry (using 2, 4, 6 - tripyridyl - 1, 3, 5 - triazine) 1977 | 011751327X |
| 12. | Manganese in raw and potable waters by spectrophotometry (using formaldoxime) 1977 | 0117513288 |
| 13. | Organochlorine insecticides and polychlorinated biphenyls in waters 1978 | 0117513733 |
| 14. | The measurement of Electrical Conductivity and the Laboratory Determination of the pH value of natural, treated and waste waters 1978 | 0117514284 |
| 15. | The determination of Material Extractable by Carbon Tetrachloride and of certain hydrocarbon oil and grease components in sewage sludge 1978 | 0117514365 |
| 16. | Dissolved oxygen in natural and waste waters 1979 | 011751442X |
| 17. | Arsenic in Potable and Sea Water by Spectrophotometry (Arsenomolybdenum Blue procedure) 1978 Tentative Method | 0117514519 |
| 18. | Methods for Biological Sampling Handnet Sampling of Aquatic Benthic Macroinvertebrates 1978 | 0117514527 |
| 19. | The Instrumental Determination of Total Organic Carbon, Total Oxygen Demand and Related Determinands 1979 | 0117514586 |
| 20. | Atomic Absorption Spectrophotometry An Essay Review 1979 | 0117514616 |
| 21. | Determination of Volatile Fatty Acids in Sewage Sludge 1979 | 0117514624 |
| 22. | The Analysis of Sludge Digester Gas 1979 | 0117514632 |
| 23. | Acid Soluble Aluminium in Raw and Potable Waters by Spectrophotometry (using Pyrocatechol Violet) | 0117514640 |
| 24. | Air Segmented Continuous Flow Automatic Analysis. An Essay Review 1979 | 0117514705 |
| 25. | General Principles of Sampling and Accuracy of Results 1980 (Replaced by bluebook 143) | 0117514918 |
| 26. | Sulphate in Waters, Effluents and Solids 1979 (Superseded by bluebook 136) | 0117514926 |
| 27. | Chemical Disinfecting Agents in Waters and Effluents, and Chlorine Demand 1980 (Updated by bluebook 218) | 0117514934 |

28.	Chromium in Raw and Potable Waters and Sewage Effluents 1980	0117515280
29.	A Survey of Multielement and Related Methods of Analysis for Waters, Sediments and other materials of interest to the Water Industry 1980	0117515299
30.	Ultra Violet and Visible Solution - Spectrophotometry and Colorimetry 1980	0117515388
31.	Zinc in Potable Waters by Atomic Absorption Spectrophotometry 1980	0117515418
32.	Copper in Potable Waters by Atomic Absorption Spectrophotometry 1980	0117515426
33.	Bromide in Waters, High Level Titrimetric Method 1981	0117515434
34.	Chloro- and Bromo- Tri Halogenated Methanes in Water 1980	0117515442
35.	Dissolved Potassium in Raw and Potable Waters 1980 Tentative Methods	0117515450
36.	Dissolved Sodium in Raw and Potable Waters 1980 Tentative Methods	0117515469
37.	Silicon in Waters and Effluents 1980	0117515574
38.	Phosphorus in Waters, Effluents and Sewages 1980	0117515825
39.	Boron in Waters, Effluents, Sewage and Some Solids 1980	0117515833
40.	Oxidized Nitrogen in Waters 1981	0117515930
41.	Odour and Taste in Raw and Potable Waters 1980 (see bluebooks 156, 171, 196, 197 and 233)	0117515973
42.	Hydrazine in Waters Spectrophotometric Method 1981	011751599X
43.	Total Hardness, Calcium Hardness and Magnesium Hardness in raw and potable waters by EDTA titrimetry 1981	0117516007
44.	The Determination of Alkalinity and Acidity in Water 1981	0117516015
45.	Cobalt in Potable Waters 1981	0117516031
46.	Nickel in Potable Waters 1981	011751604X
47.	Analysis of Surfactants in Waters, Waste Waters and Sludges 1981	0117516058

48.	Ammonia in Waters 1981	0117516139
49.	Cadmium, Chromium, Copper, Lead, Nickel and Zinc in Sewage Sludges by Nitric Acid/AAS 1981	0117516155
50.	Phenols in Waters and Effluents by Gas Chromatography, 4-aminoantipyrine and 3-methyl-2-benzothiazolinehydrazone 1981	0117516171
51.	Chloride in Waters, Sewage and Effluents 1981	0117516260
52.	Quantitative Samplers for Benthic Macroinvertebrates in Shallow Flowing Waters 1980	0117516279
53.	Pyrethrins and Permethrin in Potable Waters by Electron Capture Gas Chromatography 1981	0117516287
54.	Biochemical Oxygen Demand 1981 (Replaced by bluebook 130)	0117516309
55.	The Assessment of the Nitrifying Ability of Activated Sludge 1980 (Tentative Methods)	0117516554
56.	Antimony in Effluents and Raw, Potable and Sea Waters by Spectrophotometry (using Crystal Violet) 1982 Tentative Method	0117516562
57.	Determination of Cation Exchange Capacity and Exchangeable Cations (including water soluble ions) in Soils, Related Materials and Sewage Sludge 1979	0117516570
58.	Gas Chromatography an Essay Review 1982	0117516589
59.	The Determination of Alkali Extractable Organic Matter in Ash 1981	0117516597
60.	Organo-Phosphorus Pesticides in River and Drinking Water 1980 Tentative Method	0117516600
61.	Assessment of Biodegradability 1981	0117516619
62.	Fluoride in Waters, Effluents, Sludges, Plants and Soils 1982	0117516627
63.	Methods for the Isolation and Identification of Salmonellae (other than Salmonella Typhi) from Water and Associated Materials 1982	0117516643
64.	Acute Toxicity Testing with Aquatic Organisms 1981	0117516724
65.	The Determination of Chlorophyll a in Aquatic Environments 1980	0117516740

66.	The Bacteriological Examination of Drinking Water Supplies 1982 (Report 71)	0117516759
67.	Gas Chromatographic and Associated Methods for the Characterization of Oils, Fats, Waxes and Tars 1982	0117516775
68.	Silver in Waters, Sewages and Effluents by Atomic Absorption Spectrophotometry 1982	0117516783
69.	Arsenic in potable waters by Atomic Absorption Spectrophotometry (Semi Automatic Method) 1982	0117516791
70.	Molybdenum, especially in sewage sludges and soils by Spectrophotometry 1982	0117516805
71.	Extractable Metals in soils, sewage sludge-treated soils and related materials 1982	0117516899
72.	Formaldehyde, Methanol, and Related Compounds in raw, waste and potable waters 1982 (Tentative Methods)	0117516902
73.	Sulphide in Waters and Effluents 1983 Tentative Methods	0117517186
74.	Sampling for Nonplanktonic Algae (Benthic Algae or Priphton) 1982	0117517259
75.	High Performance Liquid chromatography, Ion Chromatography, Thin Layer and Column Chromatography of Water Samples 1983	0117517267
76.	Iron and Manganese in Potable Waters by Atomic Absorption Spectrophotometry 1983	0117517275
77.	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra Red Absorption and Gravimetry 1983	0117517283
78.	Classical methods for the Characterization of Oils, Fats and Waxes by saponification, hydroxyl, iodine and acid values 1983	0117517291
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80.	Determination of Iodine, Iodate, Iodide and Traces of Bromide in Waters (Tentative Method) 1984	0117517607
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| 82. | The Determination of Organochlorine Insecticides and Polychlorinated Biphenyls in Sewages, Sludges, Muds and Fish 1978
Organochlorine Insecticides and Polychlorinated Biphenyls in Water, an addition, 1984 | 0117517771 |
| 83. | The Conditionability, Filterability, Settleability and Solids Content of Sludge 1984. A Compendium of Methods and Tests | 0117517879 |
| 84. | Methods of Biological Sampling, Sampling Macroinvertebrates in water supply systems 1983 | 0117517895 |
| 85. | Methods of Biological Sampling
A colonization sampler for collecting Macroinvertebrate Indicators of water quality in lowland rivers 1983 | 0117517909 |
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| 89. | The Sampling and Initial Preparation of Sewage and Waterworks sludges, soils, sediments, plants and contaminated wildlife (2nd Edition) 1986 | 0117518859 |
| 90. | Chlorophenoxy Acidic Herbicides, Trichlorobenzoic acid, Chlorophenols, Triazines and Glyphosate in Water 1985 | 0117518867 |
| 91. | Total Nitrogen and Total Phosphorus in Sewage Sludge. 1985 | 0117518883 |
| 92. | Mercury in Waters, Effluent, Soils and Sediments etc (additional methods) 1985 | 0117519073 |
| 93. | Methods for the Determination of Metals in Soils, Sediments, and Sewage Sludge, and Plants by Hydrochloric-Nitric Acid Digestion, with a note on the determination of Insoluble Metal Contents 1986 (see also bluebook 204) | 0117519081 |
| 94. | Measurement of Alpha and Beta Activity of Water and Sludge Samples.
The Determination of Radon-222 and Radium-226.
The Determination of Uranium (including General X-ray Fluorescent Spectrometric Analysis) 1985-6 | 011751909X |
| 95. | Organophosphorus pesticides in Sewage Sludge; Organophosphorus pesticides in River and Drinking Water, an addition, 1985 | 011751912X |

96.	Chlorobenzenes in waters. Organochlorine Insecticides and PCBs in Turbid Waters Halogenated Solvents and Related Compounds in Sewage Sludge and Waters 1985	0117519138
97.	Chemical Oxygen Demand (Dichromate Value) of Polluted and Waste Waters 1986 (Second Edition) (See bluebooks 4, 215 and 216)	0117519154
98.	The Determination of Carbon Dioxide in Natural, Treated and Beverage Waters, with a supplement on Sampling Bottled and Canned Waters 1986	0117519278
99.	Selenium in Waters 1984 Selenium and Arsenic in Sludges, Soils and Related Materials 1985 A note on the Use of Hydride Generator Kits 1987	0117519332
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101.	Material Extractable by Light Petroleum from Sewage Sludge (Tentative Method) 1985	0117519421
102.	Determination of the Inhibitory effects of chemicals and Waste Waters on the Anaerobic Digestion of Sewage Sludge 1986.	011751943X
103.	Colour and Turbidity of Waters 1981	0117519553
104.	The Sampling of Oils, Fats, Waxes and Tars, in aqueous and solid systems 1983	0117519561
105.	Suspended, Settleable and Total Dissolved Solids in Waters and Effluents 1980	011751957X
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108.	Methods for the Use of Aquatic Macrophytes for Assessing Water Quality 1985-6	0117520004
109.	Lead and Cadmium in fresh Waters by Atomic Absorption Spectrophotometry.(2nd edition). A General Introduction to Electrothermal Atomization Atomic Absorption Spectrophotometry 1986	0117520039

110.	Determination of very low concentrations of Hydrocarbons and Halogenated Hydrocarbons in Water 1984-5	0117520047
111.	Lithium, Magnesium, Calcium, Strontium and Barium in Waters and Sewage Effluents by Atomic Absorption Spectrophotometry 1987	0117520160
112.	Temperature Measurement for Natural, Waste and Potable Waters and other items of interest in the Water and Sewage Disposal Industry 1986	0117520179
113.	The Determination of six Polynuclear Aromatic Hydrocarbons in Waters (with notes on the determination of other PAH) 1985	0117520322
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118.	The Determination of Oils and Fats in Waste Water by Filtration, Solvent Extraction and Gravimetry 1987	0117520764
119.	The Determination of Colour of Waters and Wastewaters. A supplement, 1988	0117520837
120.	The Determination of pH in low ionic strength waters 1988	0117520845
121.	Methods for Sampling Fish Populations in Shallow Rivers and Streams 1983	0117520853
122.	The Determination of Twelve Trace Metals in Marine and other Waters by Voltammetry or AAS 1987	0117520861
123.	Antimony, Arsenic, Beryllium, Chromium, Cobalt, Copper, Gallium, Germanium, Indium, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc by Electrothermal AAS 1988	0117520950
124.	The Determination of Microgram and Submicrogram Amounts of Individual Phenols in River and Potable Waters 1988	0117520993
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126.	Kjeldahl Nitrogen in Waters 1987	0117521299
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128.	Analysis of Hydrocarbons in Waters - A Review, and An Ultra-Violet Fluorescence Spectrometric Method 1988	0117521701
129.	The Assessment of Biodegradability in Anaerobic Digesting Sludge 1988	0117521914
130.	5 Day Biochemical Oxygen Demand (BOD5) Second Edition 1988 (with Amendments to Dissolved Oxygen in Waters) (Replaces bluebook 54)	0117522120
131.	Cyanide in Waters etc 1988 (Updated by bluebook 214)	0117522198
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133.	The Tentative Identification of Volatilizable Organic Compounds by Linear Temperature Programmed Gas Chromatographic Retention Indices, with Notes on Other Methods for Identifying Organic Substances 1988	0117522228
134.	Titrimetric Determination of Total and Bicarbonate Alkalinity and Volatile Fatty Acids in Sewage Sludge 1980/89	0117522252
135.	The Determination of Formaldehyde, other Volatile Aldehydes, Ketones and Alcohols in Water 1988	011752235X
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137.	Discrete and Air Segmented Automated Methods of Analysis including Robots An Essay Review (Second Edition) 1988	0117522546
138.	Isolation and Identification of Giardia Cysts, Cryptosporidium Oocysts and Free Living Pathogenic Amoebae in Water etc 1989 (see bluebook 172)	0117522821
139.	The Enumeration of Algae, Estimation of Cell Volume, and use in Bioassays 1990	0117523070
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142.	The Determination of Organic, Inorganic, Total and Specific Tin Compounds in Water, Sediments and Biota 1992	0117523607
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156.	The Determination of Taste and Odour in Potable Waters 1994 (See bluebooks 41, 171, 196, 197 and 233)	0117529672

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| 157. | The Instrumental Determination of Total Organic Carbon and Related Determinands 1995 | 0117529796 |
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| 168. | The determination of microcystin algal toxins in raw and treated waters by high performance liquid chromatography 1998 | |
| 169. | Evaluation trials for two media for the simultaneous detection and enumeration of <i>Escherichia coli</i> and coliform organisms 1998 | |
| 170. | The determination of volatile organic compounds in waters and complex matrices by purge and trap or by headspace techniques 1998 | |
| 171. | The assessment of taste, odour and related aesthetic problems in drinking waters 1998 (See bluebooks 41, 156, 196, 197 and 233) | |
| 172. | Isolation and identification of <i>Cryptosporidium</i> oocysts and <i>Giardia</i> cysts in waters 1999 (see bluebook 138) (Replaced by bluebook 224) | |
| 173. | The determination of tritium (tritiated water) activity concentration by alkaline distillation and liquid scintillation counting 1999 | |

174. The determination of organochlorine pesticides and polychlorinated biphenyls in waters and complex matrices (2000)

175. The Microbiology of Recreational and Environmental Waters (2000)

The following bluebooks are only available as PDF downloads (not hard-copy) from “www.environment-agency.gov.uk/nls”

176. The Microbiology of Drinking Water (2002) - Part 1 - Water Quality and Public Health

177. The Microbiology of Drinking Water (2002) - Part 2 - Practices and procedures for sampling

178. The Microbiology of Drinking Water (2002) - Part 3 - Practices and procedures for laboratories

179. The Microbiology of Drinking Water (2002) -Part 4 - Methods for the isolation and enumeration of coliform bacteria and *Escherichia coli* (including *E. coli* O157:H7) (Replaced by bluebook 223)

180. The Microbiology of Drinking Water (2002) - Part 5 - Isolation and enumeration of enterococci by membrane filtration (Replaced by bluebook 229)

181. The Microbiology of Drinking Water (2002) - Part 6 - Methods for the isolation and enumeration of sulphite-reducing clostridia and *Clostridium perfringens* by membrane filtration (Replaced by bluebook 192) (Replaced by bluebook 213) (Replaced by bluebook 222)

182. The Microbiology of Drinking Water (2002) -Part 7 - The enumeration of heterotrophic bacteria by pour and spread plate techniques (Replaced by bluebook 212)

183. The Microbiology of Drinking Water (2002) - Part 8 - Methods for the isolation and enumeration of *Aeromonas* and *Pseudomonas aeruginosa* by membrane filtration (Replaced by bluebook 231)

184. The Microbiology of Drinking Water (2002) - Part 9 - Methods for the isolation and enumeration of *Salmonella* and *Shigella* by selective enrichment, membrane filtration and multiple tube most probable number techniques (Replaced by bluebook 194)

185. The Microbiology of Drinking Water (2002) - Part 10 - Methods for the isolation of *Yersinia*, *Vibrio* and *Campylobacter* by selective enrichment

186. The determination of polycyclic aromatic hydrocarbons in soil by dichloromethane extraction using gas chromatography with mass spectrometric detection (2003)

187. The determination of polychlorinated biphenyls by gas chromatography using mass spectrometric detection (2003)

188. The Microbiology of Sewage Sludge (2003) - Part 1 - An overview of the treatment and use in agriculture of sewage sludge in relation to its impact on the environment and public health
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190. The Microbiology of Sewage Sludge (2003) - Part 3 - Methods for the isolation and enumeration of *Escherichia coli*, including verocytotoxigenic *Escherichia coli*
191. The Microbiology of Sewage Sludge (2003) - Part 4 - Methods for the detection, isolation and enumeration of *Salmonellae* (Replaced by bluebook 195)
192. The Microbiology of Drinking Water (2004) - Part 6 - Methods for the isolation and enumeration of sulphite-reducing clostridia and *Clostridium perfringens* by membrane filtration (Replaces bluebook 181) (Replaced by bluebook 213)
193. A guide to practices, procedures and methodologies following oil spill contamination incidents (2004)
194. The Microbiology of Drinking Water (2004) - Part 9 - Methods for the isolation and enumeration of *Salmonella* and *Shigella* by selective enrichment, membrane filtration and multiple tube most probable number techniques (Replaces bluebook 184, but is now replaced by bluebook 206)
195. The Microbiology of Sewage Sludge (2004) - Part 4 - Methods for the detection, isolation and enumeration of *Salmonellae* (Replaces bluebook 191)
196. The Microbiology of Drinking Water (2004) - Part 11 - Taste, odour and related aesthetic problems (see bluebook 41, 156, 171, 197 and 233)
197. The Microbiology of Drinking Water (2004) - Part 12 - Methods for the isolation and enumeration of micro-organisms associated with taste, odour and related aesthetic problems (See bluebooks 41, 156, 171, 196 and 233)
198. Guidance on the measurement of tritium in environmental samples (2005)
199. The assessment of aerobic biodegradability by measurement of dissolved and/or Gaseous inorganic carbon in sealed vessels (2005)
200. The determination of *Legionella* bacteria in water and other environmental samples (2005) - Part 1- Rationale of surveying and sampling.
201. The preparation and pre-treatment of potentially contaminated soils prior to chemical analysis (2006).
202. The Microbiology of Drinking Water (2006) - Part 5 - The isolation and enumeration of enterococci by membrane filtration (Replaced by bluebook 229)
203. The direct toxicity assessment of aqueous environmental samples using the oyster (*Crassostrea gigas*) embryo-larval development test (2006) (Replaced by bluebook 209)

204. The determination of metals in solid environmental samples (2006)
205. The direct toxicity assessment of aqueous environmental samples using the marine copepod *Tisbe battagliai* lethality test (2006)
(Replaced by bluebook 210)
206. The Microbiology of Drinking Water (2006) - Part 9 - Methods for the isolation and enumeration of *Salmonella* and *Shigella* by selective enrichment, membrane filtration and multiple tube-most probable number techniques
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211. The Microbiology of Drinking Water (2007) - Part 13 - The isolation and enumeration of aerobic spore-forming bacteria by membrane filtration
212. The Microbiology of Drinking Water (2007) - Part 7 - Methods for the enumeration of heterotrophic bacteria (Replaces bluebook 182)
213. Microbiology of Drinking Water (2007) - Part 6 - Methods for the isolation and enumeration of sulphite-reducing clostridia and *Clostridium perfringens* by membrane filtration (Replaces bluebook 192) (Replaced by bluebook 222)
214. The determination of cyanide in waters and associated materials (2007)
(Updates bluebook 131) (See also bluebook 235)
215. The determination of chemical oxygen demand in waters and effluents (2007)
(See bluebooks 4, 97 and 216)
216. An inter-laboratory trial on chemical oxygen demand determinations (2007)
(See bluebooks 4, 97 and 215)
217. Index of Methods for the Examination of Waters and Associated Materials 1976-2008 (Replaces bluebook 150) (Replaced by bluebook 236)
218. Chemical disinfecting agents in waters and effluents (2008)
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219. The direct toxicity assessment of aqueous environmental samples using the *Pseudokirchneriella subcapitata* freshwater algal growth inhibition test (2008)

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222. The Microbiology of Drinking Water (2009) - Part 6 - Methods for the isolation and enumeration of sulphite-reducing clostridia and *Clostridium perfringens* by membrane filtration (Replaced by bluebook 230)
223. The Microbiology of Drinking Water (2009) - Part 4 - Methods for the isolation and enumeration of coliform bacteria and *Escherichia coli* (including *E. coli* O157:H7) (Replaces bluebook 179)
224. The Microbiology of Drinking Water (2009) - Part 14 - Methods for the isolation, identification and enumeration of *Cryptosporidium* oocysts and *Giardia* cysts (Replaces bluebook 172) (Replaced by bluebook 234)
225. The direct toxicity assessment of aqueous environmental samples using the *Skeletonema costatum* marine water algal growth inhibition test (2009) (Replaces bluebook 221)
226. The determination of metaldehyde in waters using chromatography with mass spectrometric detection (2009)
227. The determination of acrylamide in waters using chromatography with mass spectrometric detection (2009)
228. The determination of easily liberated sulphide in soils and similar matrices (2010)
229. The Microbiology of Drinking Water (2010) - Part 5 - The isolation and enumeration of enterococci by membrane filtration (Replaces bluebooks 202 and 180)
230. The Microbiology of Drinking Water (2010) - Part 6 - Methods for the isolation and enumeration of sulphite-reducing clostridia and *Clostridium perfringens* by membrane filtration (Replaces bluebook 222)
231. The Microbiology of Drinking Water (2010) - Part 8 - Methods for the isolation and enumeration of *Aeromonas* and *Pseudomonas aeruginosa* by membrane filtration (Replaces bluebook 183)
232. The Microbiology of Drinking Water (2010) - Part 2 - Practices and procedures for sampling (Replaces bluebook 177)
233. The determination of taste and odour in drinking waters (2010) (See bluebooks 41, 156, 171, 196, and 197)
234. The Microbiology of Drinking Water (2010) - Part 14 - Methods for the isolation, identification and enumeration of *Cryptosporidium* oocysts and *Giardia* cysts (Replaces bluebook 224)

235. The determination of cyanide and thiocyanate in soils and similar matrices (2011) (See also bluebook 214)

236. Index of Methods for the Examination of Waters and Associated Materials 1976-2011 (Replaces bluebook 217)

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